

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/623,505 A  
Source: JFW16  
Date Processed by STIC: 02/03/2006

***ENTERED***



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/623,505A

DATE: 02/03/2006

TIME: 11:50:31

Input Set : A:\1158DIV2 SUBST\_SEQLIST\_JAN06.TXT

Output Set: N:\CRF4\02032006\J623505A.raw

4 <110> APPLICANT: YE, Jane et al.  
 6 <120> TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
 7 ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
 8 THEREOF  
 10 <130> FILE REFERENCE: CL001158DIV2  
 12 <140> CURRENT APPLICATION NUMBER: 10/623,505A  
 13 <141> CURRENT FILING DATE: 2003-07-22  
 15 <150> PRIOR APPLICATION NUMBER: 10/096,960  
 16 <151> PRIOR FILING DATE: 2002-03-14  
 18 <150> PRIOR APPLICATION NUMBER: 09/800,960  
 19 <151> PRIOR FILING DATE: 2001-03-08  
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 58 cccacacgtc cacgtgattt gggaggacgc agcgtgcattt gcctacatcc gcctcaccc 1680  
 59 gtacatcgac gggcagggtc ggcctcgac cagccagtca gaagagaccc gggcttggca 1740  
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 61 gctgcagtga gtcagccac agggcttta ggagatttca gcccggggc caaccttcgc 1860  
 62 agccagtggc tctggagggc ctgagtgaca gcccgggtc ttgtttttt aggtttaaaa 1920  
 63 caattcaatt acaaaagcgg cagcagccaa tgcacgcccc tgcacgcccc cctcccgcccc 1980  
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 77 Lys Lys Thr Ser Thr Gln Glu Tyr Ala Ala Lys Ile Ile Asn Thr Lys  
 78 35 40 45  
 79 Lys Leu Ser Ala Arg Asp His Gln Lys Leu Glu Arg Glu Ala Arg Ile  
 80 50 55 60  
 81 Cys Arg Leu Leu Lys His Pro Asn Ile Val Arg Leu His Asp Ser Ile  
 82 65 70 75 80  
 83 Ser Glu Glu Gly Phe His Tyr Leu Val Phe Asp Leu Val Thr Gly Gly  
 84 85 90 95  
 85 Glu Leu Phe Glu Asp Ile Val Ala Arg Glu Tyr Tyr Ser Glu Ala Asp  
 86 100 105 110  
 87 Ala Ser His Cys Ile His Gln Ile Leu Glu Ser Val Asn His Ile His  
 88 115 120 125  
 89 Gln His Asp Ile Val His Arg Asp Leu Lys Pro Glu Asn Leu Leu Leu  
 90 130 135 140  
 91 Ala Ser Lys Cys Lys Gly Ala Ala Val Lys Leu Ala Asp Phe Gly Leu  
 92 145 150 155 160  
 93 Ala Ile Glu Val Gln Gly Glu Gln Gln Ala Trp Phe Gly Phe Ala Gly  
 94 165 170 175  
 95 Thr Pro Gly Tyr Leu Ser Pro Glu Val Leu Arg Lys Asp Pro Tyr Gly  
 96 180 185 190  
 97 Lys Pro Val Asp Ile Trp Ala Cys Gly Val Ile Leu Tyr Ile Leu Leu  
 98 195 200 205  
 99 Val Gly Tyr Pro Pro Phe Trp Asp Glu Asp Gln His Lys Leu Tyr Gln  
 100 210 215 220  
 101 Gln Ile Lys Ala Gly Ala Tyr Asp Phe Pro Ser Pro Glu Trp Asp Thr  
 102 225 230 235 240  
 103 Val Thr Pro Glu Ala Lys Asn Leu Ile Asn Gln Met Leu Thr Ile Asn  
 104 245 250 255  
 105 Pro Ala Lys Arg Ile Thr Ala Asp Gln Ala Leu Lys His Pro Trp Val  
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 Output Set: N:\CRF4\02032006\J623505A.raw

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 108 275 280 285  
 109 Glu Cys Leu Arg Lys Phe Asn Ala Arg Arg Lys Leu Lys Gly Ala Ile  
 110 290 295 300  
 111 Leu Thr Thr Met Leu Val Ser Arg Asn Phe Ser Val Gly Arg Gln Ser  
 112 305 310 315 320  
 113 Ser Ala Pro Ala Ser Pro Ala Ala Ser Ala Ala Gly Leu Ala Gly Gln  
 114 325 330 335  
 115 Ala Ala Lys Ser Leu Leu Asn Lys Lys Ser Asp Gly Gly Val Lys Lys  
 116 340 345 350  
 117 Arg Lys Ser Ser Ser Ser Val His Leu Met Glu Pro Gln Thr Thr Val  
 118 355 360 365  
 119 Val His Asn Ala Thr Asp Gly Ile Lys Gly Ser Thr Glu Ser Cys Asn  
 120 370 375 380  
 121 Thr Thr Thr Glu Asp Glu Asp Leu Lys Ala Ala Pro Leu Arg Thr Gly  
 122 385 390 395 400  
 123 Asn Gly Ser Ser Val Pro Glu Gly Arg Ser Ser Arg Asp Arg Thr Ala  
 124 405 410 415  
 125 Pro Ser Ala Gly Met Gln Pro Gln Pro Ser Leu Cys Ser Ser Ala Met  
 126 420 425 430  
 127 Arg Lys Gln Glu Ile Ile Lys Ile Thr Glu Gln Leu Ile Glu Ala Ile  
 128 435 440 445  
 129 Asn Asn Gly Asp Phe Glu Ala Tyr Thr Lys Ile Cys Asp Pro Gly Leu  
 130 450 455 460  
 131 Thr Ser Phe Glu Pro Glu Ala Leu Gly Asn Leu Val Glu Gly Met Asp  
 132 465 470 475 480  
 133 Phe His Lys Phe Tyr Phe Glu Asn Leu Leu Ser Lys Asn Ser Lys Pro  
 134 485 490 495  
 135 Ile His Thr Thr Ile Leu Asn Pro His Val His Val Ile Gly Glu Asp  
 136 500 505 510  
 137 Ala Ala Cys Ile Ala Tyr Ile Arg Leu Thr Gln Tyr Ile Asp Gly Gln  
 138 515 520 525  
 139 Gly Arg Pro Arg Thr Ser Gln Ser Glu Glu Thr Arg Val Trp His Arg  
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## RAW SEQUENCE LISTING

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 Output Set: N:\CRF4\02032006\J623505A.raw

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**RAW SEQUENCE LISTING ERROR SUMMARY**      DATE: 02/03/2006  
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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:3; N Pos. 673,674,675,676,677,678,679,680,681,682,683,684,685,686,687  
Seq#:3; N Pos. 688,689,690,691,692,693,694,695,696,697,698,699,700,701,702  
Seq#:3; N Pos. 703,704,705,706,707,708,709,710,711,712,713,714,715,716,717  
Seq#:3; N Pos. 718,719,720,721,722,723,724,725,726,727,728,729,730,731,732  
Seq#:3; N Pos. 733,734,735,736,737,738,739,740,741,742,743,744,745,746,747  
Seq#:3; N Pos. 748,749,750,751,752,753,754,755,756,757,758,759,760,761,762  
Seq#:3; N Pos. 763,764,765,766,767,768,769,770,771,772,773,774,775,776,777  
Seq#:3; N Pos. 778,779,780,781,782,783,784,785,786,787,788,789,790,791,792  
Seq#:3; N Pos. 793,794,795,796,797,798,799,800,801,802,803,804,805,806,807  
Seq#:3; N Pos. 808,809,810,811,812,813,814,815,816,817,818,819,820,821,822  
Seq#:3; N Pos. 823,824,825,826,827,828,829,830,831,832,833,834,835,836,837  
Seq#:3; N Pos. 838,839,840,841,842,843,844,845,846,847,848,849,850,851,852  
Seq#:3; N Pos. 853,854,855,856,857,858,859,860,861,862,863,864,865,866,867  
Seq#:3; N Pos. 868,869,870,871,872,873,874,875,876,877,878,879,880,881,882  
Seq#:3; N Pos. 883,884,885,886,887,888,889,890,891,892,893,894,895,896,897  
Seq#:3; N Pos. 898,899,900,901,902,903,904,905,906,907,908,909,910,911,912  
Seq#:3; N Pos. 913,914,915,916,917,918,919,920,921,922,923,924,925

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/623,505A

DATE: 02/03/2006

TIME: 11:50:32

Input Set : A:\1158DIV2 SUBST\_SEQLIST\_JAN06.TXT

Output Set: N:\CRF4\02032006\J623505A.raw

L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:300

M:341 Repeated in SeqNo=3